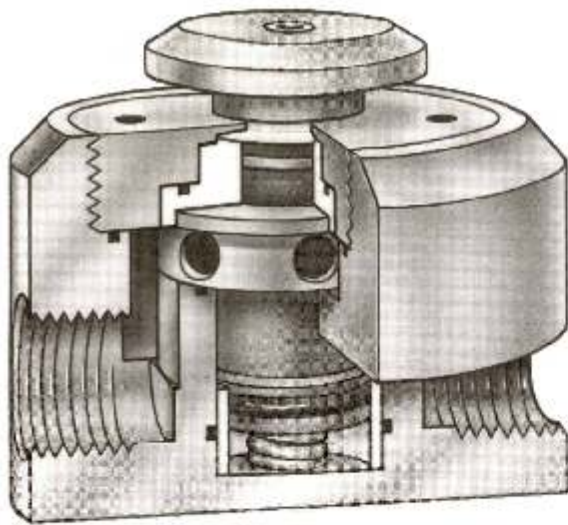


NLM



PATENT NO. 4,297,891

DESIGN FEATURES

The R-K NLM series no lube manual valve features a compact thermoplastic valve designed to be used in places where no lubrication is required or permitted. Actuates with a minimum of hand, foot or knee pressure. This allows one or both hands to be free to handle the parts.

This patented valve is designed so there is no metal contact with the fluid. A Teflon wiper ring prevents most dirt from entering through the top of valve. Automatic fail-safe shut-off.

Direct acting full flow and top entry for easy maintenance makes this an ideal valve for most manual applications.

Suitable for most harsh chemicals and ideal for DI water and other high purity applications.

The standard valve is normally closed (push-to-open, release-to-close).

NO LUBE MANUAL VALVE

SPECIFICATIONS

Operating Pressure Range	Vacuum to 150 PSIG	Temperature Range	0 F to 140 F for PVC 0 F to 180 F for POLYPRO 0 F to 280 F for PVDF 0 F to 340 F for Teflon
Material	Valve Body PVC Type 1, Grade 1 Polypropylene PVDF Teflon	Valve ports	1/4" to 1" Valve FNPT 1.5" to 2" Valve MPT All valves are fully ported
Seal	EPDM VITON KALREZ	Mounting Method	(4) 1/4" -20 tapped holes for standard machined valve body. (1/4" to 1.00")

ORDER INFORMATION

The chart below will specify R - K standard valves regarding valve size, valve material, and seal material. For special orders, please consult the factory for pricing and delivery information.

NLM - X X X - X		
VALVE SIZE	MATERIAL	SEALS
25 = 1/4" 50 = 1/2" 75 = 3/4" 100 = 1.0" 150 = 1.5" 200 = 2.0"	1 = PVC 2 = POLYPRO 3 = PVDF 4 = TEFLON 5 = OTHER (Please specify)	E = EPDM V = VITON K = KALREZ O = OTHER (Please specify)

R-K INDUSTRIES

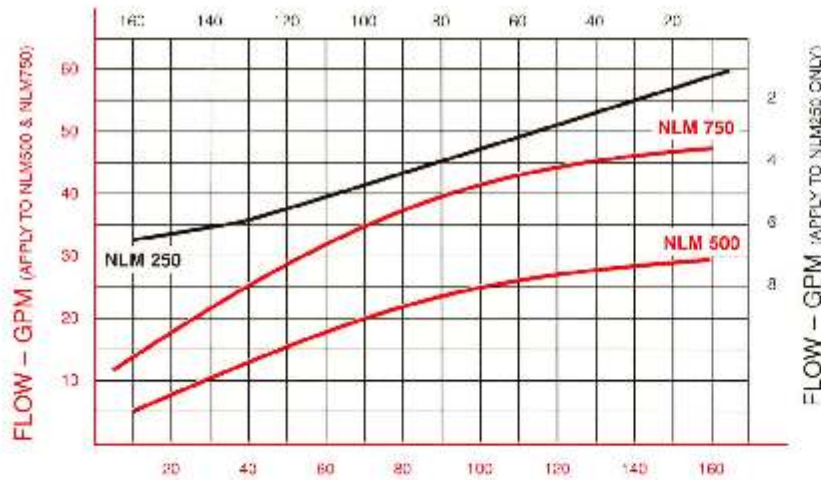


1120 E. LOCUST STREET
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ENGINEERING & PERFORMANCE DATA

INLET PRESSURE – PSIG (APPLY TO NLM250 ONLY)



NOTES

DURING THE ASSEMBLY PROCESS, A SMALL AMOUNT OF DUPONT KRYTOX IS APPLIED TO ASSIST IN THE BREAK-IN OF MOVING PARTS, THEN CAREFULLY WIPED OFF PRIOR TO FINAL ASSEMBLY AND TESTING.

TEST DATA WAS PERFORMED WITH 68 DEGREE F WATER, AND 160 PSIG MAXIMUM PRESSURE.

THESE PERFORMANCE CURVES WILL BE CHANGED WITH HIGHER VISCOSITY LIQUID AND/OR HIGHER TEMPERATURE.

CONSULT YOUR LOCAL SALES REP OR MANUFACTURER DIRECTLY FOR CUSTOM PRODUCTS OR SPECIAL APPLICATIONS.

INLET PRESSURE – PSIG (APPLY TO NLM500 & NLM 750)

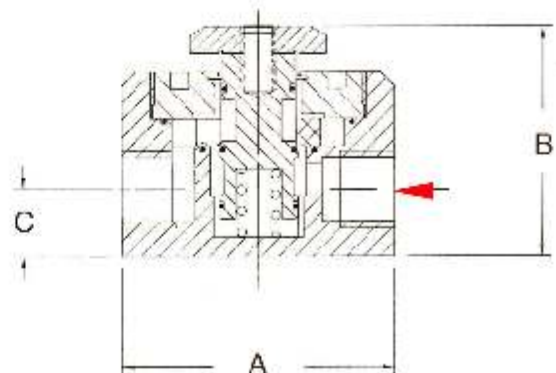


DIMENSIONAL DATA

DIMENSIONS IN INCHES

Valve size	Ports	A	B	C	Cv
1/4"	FNPT	2.00	1.80	.5	.58
1/2"	FNPT	3	2.5	.7	2.84
3/4"	FNPT	3.5	3	.9	4.14
1.0"	FNPT	4	3.5	1.1	5.86
1.5"	MPT	5.0	4.7	1.5	16.7*
2.0"	MPT	6.0	5.5	1.7	22.3*

(* Cv value @ 150 GPM)



R-K INDUSTRIES



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